

Project Delivery Methods for Transportation Engineers and Owners

Purpose and Background

Nationally, less than half the state DOTs have more than a couple projects worth of DB experience, only three have done more than two CMGC projects, and ATCs are so new that only about six have even tried using them. This represents a large pent-up demand for the immediate training of state DOT engineers in these three methods to accelerate project delivery and encourage innovative design and construction solutions on rapid renewal highway projects.

This seminar will provide the facts about alternative project delivery methods to replace the myths that have emerged in the industry based on ill-informed perceptions. Its purpose is to furnish a fundamental level of understanding about both delivery methods in four major areas: procurement models/contract structure; project pricing provision models; developing responsive submittals to requests for qualifications (RFQ) and/or requests for proposals (RFP); and post-award contract administration.

Seminar Instructor

Douglas D. Gransberg, Ph.D., P.E., C.C.P., F.RICS, M.ASCE, is the Donald and Sharon Greenwood Professor of Construction Engineering at Iowa State University. He received both his B.S. and M.S. degrees in Civil Engineering from Oregon State University and his Ph.D. in Civil Engineering from the University of Colorado at Boulder. He is a registered Professional Engineer in Oklahoma, Texas and Oregon, a Certified Cost Engineer, a Designated Design-Build Professional and a Fellow of the Royal Institution of Chartered Surveyors in the UK.

Before moving to academia in 1994, Dr. Gransberg spent over twenty years in the U.S. Army Corps of Engineers retiring at the rank of lieutenant colonel. In his final posting, Professor Gransberg was the Europe District's Area Engineer stationed in Ankara, Turkey where he managed an annual design and construction program that exceeded \$200 million. He teaches courses in integrated project delivery, cost estimating, project controls, and project management. His research is centered in the delivery of infrastructure/ transportation projects. Dr. Gransberg is currently leading the effort to develop the AASHTO Guidelines for CMGC project delivery and Guidebook for Alternative Quality Management. He was also one of the co-authors of the AASHTO Guide for Design-Build Contracting.

Dr. Gransberg also owns Gransberg & Associate, Inc. a construction management/project delivery consulting firm. To keep his consulting synergistic with his teaching, he provides RFQ/RFP development services to public agencies as well as CMGC and DB proposal development services to engineers and consultants.

- For group training, contact John Wyrick (JWyrick@asce.org) or Stephanie Tomlinson (STomlinson@asce.org)

Summary Outline

Day One

- Introduction to Alternative Project Delivery: What's Different
- CMGC Procurement Models
- CMGC Project Pricing Provision Models
- Developing Responses to CMGC RFQs and RFPs
- CMGC Case Study
- CMGC Contract Administration

Day Two

- DB Procurement Models
- DB Project Pricing Provision Models
- Controlling Cost and Scope Creep during the DB Design Phase
- Developing DB RFQs and RFPs
- Presentation of DB Case Study
- DB Contract Administration

Seminar Benefits

- Learn and understand the benefits of each project delivery method
- Gain the knowledge necessary to apply alternative project delivery to your construction program
- Learn how to encourage innovative solutions to your projects by leveraging contractor involvement in the design process
- Understand how to match the characteristics of each project with the most appropriate project delivery method
- Avoid liability for costly design errors by effectively transferring design liability
- Add tried and true tools to your organizations procurement toolbox
- Gain knowledge of effective procurement practices for each alternative project delivery method

Who Should Attend?

- Public transportation agency design and construction engineers
- Procurement personnel
- Design consultants
- Construction contractors working or public transportation agencies

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John Wyrick, Director
On-Site Training Worldwide
ASCE Continuing Education
Tel.: 703-295-6184
Email: jwyrick@asce.org

